POWER GRID COMPANY OF BANGLADESH LTD. QF-LDC-07

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Jan-2015 **Day : Wednesday** **Date : 28-Jan-15**

Probable Maximum Generation : (a) At Day Peak Hour : **5039** MW (b) At Evening Peak Hour : **6387** MW

Water Level of Kaptai Lake at 06:00 AM (ft) ft (a) Yesterday : ft **93.57** ft (b) Today: **93.42** (c) Rule Curve: **97.80**

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On 27-Jan-15 Day Peak	Actual Generation On 27-Jan-15 Ev. Peak	Available Geneneration On 28-Jan-15 Day Peak	Available Geneneration On 28-Jan-15 Ev. Peak	Ev. Peak Gen.Shortage for Fuel Limitation	Ev. Peak Gen.Shortage for Plants S/D or M/C prob.	Plants under Shut down (Date) / Remarks	Probable Start up Date
					MW	MW	MW	MW	MW	MW	MW	MW		
1a	Ghorasal ST: Unit-1, 2	Gas	PDB	2*55	110	85	85	85	85	85				
1b	Ghorasal ST: Unit-3	Gas	PDB	1*210	210	170	0	0	0	0		170	25/01/2015	1/2/2015
1c	Ghorasal ST: Unit-4	Gas	PDB	1*210	210	180	0	0	0	0		180	5/1/2015	5/6/2015
1d	Ghorasal ST: Unit-5	Gas	PDB	1*210	210	190	190	190	190	190				
1e	Ghorasal ST: Unit-6	Gas	PDB	1*210	210	190	0	0	0	0		190	#6 (18/07/2010)	Long term maint.
2	Ghorashal 100MW(Aggreko	Gas	QRPP	128*0.85	100	100	95	97	95	100				
3	Ghorashal 45MW (Aggreko)	Gas	QRPP	58*0.85	45	45	41	41	41	41				
4	Ghorashal 78.5MW (MAX)	Gas	QRPP	4*21.5	78	78	0	0	0	0			Contract date expired 26/05/2014	
5	Ghorashal (Regent)	Gas	IPP	34*3.35	108	108	84	86	84	86		22	Transformer problem.	
6	Haripur GT: Unit-1, 2, 3	Gas	PDB	3*32	96	60	20	25	20	25	40		#1 (22/10/2013), #3(18/6/2009)	
7	Haripur 412 MW CCPP	Gas	EGCB	1*273+1*13	412	412	0	0	0	0		412	2/1/2015	Unknown
8	Haripur NEPC (HFO)	HFO	IPP	8*15	110	110	55	96	70	110		14	1 Engine problem	
9	Haripur Power CCPP	Gas	IPP	1*235+1*12	360	360	0	0	0	0		360	21/01/2015	7/2/2015
10	Meghnaghat CCPP	Gas	IPP	3*150+1*15	450	450	0	0	0	0		450	21/04/2014	Long term maint.
11	Meghnaghat (IEL)	HFO	RPP	12*8.9	100	100	87	7	87	95				
12	Meghnaghat CCPP(Summit)	HSD	IPP	3*110+1*11	203	203	0	208	55	203				
13	Madanganj (Summit)	HFO	QRPP	6*17	102	100	98	97	98	97				
14	Keraniganj (Powerpac)	HFO	RPP	8*13.45	100	100	87	87	85	87		12	1 Engine problem	
15	Narshingdi (Doreen)	Gas	SIPP,REB	8*2.90	22	22	22	22	22	22			Synchronized at 33KV	
16a	Siddhirgonj ST	Gas	PDB	1*210	210	150	105	110	105	110	40			
16b	Siddhirgonj GT: Unit-1& 2	Gas	EGCB	2*105	210	210	215	200	211	210				
17	Siddhirganj (Desh)	HSD	QRPP	96*1.2	96	98	86	82	81	90		8	5 Engine problem	
18	Siddhirganj (Dutch Bangla)	HFO	RPP	12*8.9	100	100	93	93	93	93		7	1 Engine problem	
19	Pagla (DPA)	HSD	QRPP	100*0.5	50	50	52	53	52	50				
20	Gagnagar (Orion)	HFO	IPP	12*8.924	102	102	86	94	102	95				
21	Katpotti 52 MW	HFO	RPP		52	52	0	0	0	0				
22	Summit Power, Dhaka	Gas	SIPP,REB	7+2*6.97+1	146	146	83	103	122	121			Synchronized at 33KV	
23	Gazipur (RPCL)	HFO	IPP	6*8.9	52	52	43	43	43	43		10	1 Engine problem	
24	Tongi GT	Gas	PDB	1* 105	105	105	0	0	0	0	105			
	Dhaka Area Total				***4359***	***4128***	***1627***	***1819***	***1741***	***1953***	***185***	***1835***		
25a	Chittagong ST: Unit-1	Gas	PDB	1*210	210	180	0	0	0	0	180		17/1/15	Unknown
25b	Chittagong ST: Unit-2	Gas	PDB	1*210	210	180	0	0	0	0	180		21/01/2015	Unknown
26	Raozan 25 MW (RPCL)	HFO	IPP	3*8.9	25	25	17	26	26	25				
27	Patenga 50MW (Barakatullal	HFO	IPP	8*6.89	50	50	41	55	48	50				
28	Kaptai Hydro: Unit-1,2,3,4, 5	Hydro	PDB	2*40, 3*50	230	230	40	229	46	230				
29a	Sikalbaha ST	Gas	PDB	1*60	60	40	0	0	0	0	40		03/07/14	Unknown
29b	Sikalbaha Peaking GT	Gas	PDB	1*150	150	150	0	0	0	0	150		1/12/2014	Unknown
30	Sikalbaha (Energis)	HFO	RPP		35	35	26	32	26	32				
31	Hathazari peaking	HFO	PDB	11*8.9	98	98	0	98	0	98				
32	Dohazari-Kalaish Peaking	HFO	PDB	6*17	102	102	0	102	0	85			for 24 day	
33	Juldah (Acorn)	HFO	QRPP	8*13.45	100	100	92	94	94	94		6	Engine problem	
34	Barabkunda (Regent)	Gas	SIPP,PDB	8*2.90	22	22	14	19	19	19		3	Synchronized at 33KV, 1 Machine problem	
35	Malancha, Ctg. EPZ (United	Gas					4	20	7	20				
36	Chittagong ECPV 108 MW	HFO	IPP		108	108	0	50	53	108				
	Chittagong area Total				***1400***	***1320***	***234***	***725***	***319***	***761***	***550***	***9***		
37a	Ashuganj ST: Unit- 1 & 2	Gas	APSCL	2*64	128	97	42	42	42	42		55	#1(23/08/2014)	Unknown
37b	Ashuganj ST: Unit- 3	Gas	APSCL	1*150	150	135	130	130	130	130				
37c	Ashuganj ST: Unit- 4	Gas	APSCL	1*150	150	129	150	150	150	150				
37d	Ashuganj ST: Unit- 5	Gas	APSCL	1*150	150	134	130	130	130	130				
37e	Ashuganj CCPP: GT-2	Gas	APSCL	1*56	56	40	40	40	40	40				
37f	Ashuganj Engines	Gas	APSCL	14*3.968	53	45	27	27	27	27		18	4 Engine problem	
38	Ashuganj (Precision)	Gas	RPP	15*4	55	55	50	49	49	50				
39	Ashuganj (Aggrekko)	Gas	QRPP	96*1.10	95	95	89	85	85	85				
40	Ashuganj (United)	Gas	QRPP	14*4	53	53	49	49	49	49		4	1 Engine problem	
41	Ashuganj (Midland)	Gas	IPP	6*9.34	51	51	0	0	0	0		51	23/1/15	30/1/15
42	Brahmanbaria (Aggreko)	Gas	QRPP	86*1.10	85	85	85	85	85	85				
43	Titas (Daudkandi) Peaking	HFO	PDB	6*8.92	52	52	0	50	0	50				
44	Chandpur CCPP	Gas	PDB	1*106+1*57	163	163	0	0	0	0	163		7/9/2014	Unknown
45	Feni (Doreen)	Gas	SIPP,PDB	8*2.90	22	22	22	21	22	22				
46	Feni, Mohipal (Doreen)	Gas	SIPP,REB	4*2.90	11	11	11	11	11	11			Synchronized at 33KV	
47	Jangalia (Summit)	Gas	SIPP,PDB	4*8.73	33	33	33	33	34	33			Synchronized at 33KV	
48	Lakdhanvi-52 MW	HFO	(IPP)		52	52	53	52	53	52				
49	Summit Power, Comilla	Gas	SIPP,REB	*3.67+2*6.5	25	25	23	23	24	24			Synchronized at 33KV	
	Comilla Area Total				***1384***	***1277***	***934***	***977***	***931***	***980***	***163***	***128***		
50	RPCL CCPP	Gas	IPP	4*35+1*70	210	202	211	204	209	210				
51	Tangail (Doreen)	Gas	SIPP, PDB	8*2.90	22	22	20	20	17	20			Synchronized at 33 kV	
	Mymensingh Area Total				***232***	***224***	***231***	***224***	***226***	***230***	***0***	***0***		
52a	Fenchugonj CCPP-1	Gas	PDB	2*32+1*33	97	80	37	38	38	38			#1 (01/01/15)	Unknown
52b	Fenchugonj CCPP-2	Gas	PDB	2*35+1*35	104	90	60	60	0	60		30	ST(07/11/2014)	Unknown
53	Fenchugonj (Barakatullah)	Gas	RPP	19*2.90	51	51	46	50	50	50				
54	Fenchuganj (Energyprima)	Gas	RPP	12*3.3+5*2	44	44	49	46	46	44				
55	Hobiganj (Confidence-EP)	Gas	SIPP, REB	4*2.90	11	11	8	8	11	11			Synchronized at 33 kV	
56	Shahjibazar GT: Unit- 8, 9	Gas	PDB	2*35	70	66	40	67	68	66				
57	Shahjibazar (Shahjibazar)	Gas	RPP	32*2.90	86	86	81	80	81	81				
58	Shahjibazar (Energyprima)	Gas	RPP	27*2.0	50	50	49	48	48	48				
59	Sylhet 150 MW GT	Gas	PDB	1*142	142	142	118	132	142	132				
60	Sylhet 20 MW GT	Gas	PDB	1*20	20	20	21	20	21	20				
61	Sylhet (Energyprima)	Gas	RPP	27*2	50	50	44	46	46	46				
62	Shahjahanulla 25 MW	Gas	CIPP, REB	3*9.34	25	25	5	17	11	17				
63	Sylhet (Desh)	Gas	RPP	6*1.95	10	10	10	10	9	10				
	Sylhet Area Total				***760***	***725***	***568***	***622***	***571***	***623***	***0***	***30***		
64	Bheramara GT: Unit- 1, 2 ,3	HSD	PDB	3X20	60	46	0	46	0	46				
65	Bheramara (Quantum)	HSD	RPP	*8.5+2*6+2	105	105	0	0	0	0		105	16 Engine problem	Long term maint.
66	Bheramara HVDC Interconnector		India		500	500	456	455	457	462				
67a	Khulna ST 110MW	HFO	PDB	1*110	110	55	0	0	0	0			4/11/2014	Unknown
67b	Khulna ST 60 MW	HFO	PDB	1*60			0	0	0	0			Plant retired in FY 2013-2014	
68	Khulna (KPCL-1)	HFO	IPP	19*6.5	110	110	107	107	90	107				
69	Khulna (KPCL-2)	HFO	QRPP	7*17	115	115	99	115	99	115				
70	Faridpur Peaking	HFO	PDB	8*6.89	54	54	0	37	0	37		17	2 Engine problem	
71	Khulna 150MW GT	HSD	NWZPGCL	1*150	158	158	50	160	120	158				
72	Gopalganj Peaking	HFO	PDB	16*6.98	109	109	0	100	0	100		9	2 Engine problem	
73	Noapara (Quantam)	HFO	RPP	.9+6*9.5+2	101	101	0	0	0	0		101	Long term maint.	
74	Noapara (Khanjahan Ali)	HFO	QRPP	5*8.5	40	40	32	32	32	32		8	1 Engine problem	
75	Khulna (Aggreko) 55MW	HSD	QRPP	71*0.85	55	55	0	33	23	55				
	Khulna Area Total				***1517***	***1448***	***744***	***1085***	***821***	***1112***	***0***	***240***		
76	Barisal GT: Unit-1, 2	HSD	PDB	2*20	40	30	0	16	0	30				
77	Bhola (Venture)	Gas	RPP	1*34.50	33	33	20	31	21	31				
	Barisal Area Total				***73***	***63***	***20***	***47***	***21***	***61***	***0***	***0***		
78a	Baghabari GT	Gas	PDB	1*71	71	71	71	65	70	71				
78b	Baghabari GT	Gas	PDB	1*100	100	100	0	0	0	0		100	1/12/2014	Unknown
79	Baghabari Peaking	HFO	PDB	6*8.9	52	52	0	48	0	48				
80	Westmont GT, Baghabari	Gas	IPP				0	0	0	0			Plant Retired in FY 2013-2014	
81	Bera Peaking	HFO	PDB	9*8.29	71	71	0	50	0	50		21	2 Engine problem	
82	Amnura	HFO	QRPP	7*7.79	50	50	42	42	42	42		8	1 Engine problem	
83	Katakhali (Northern)	HFO	QRPP	6*8.92	50	50	42	42	5	42		8	1 Engine problem	
84	Katakhali Peaking	HFO	PDB	6*8.7	50	50	0	45	0	45				
85	Sirajganj CCPP	Gas	NWPGCL	1*150+1*75	210	210	225	218	225	210				
86	Santahar Peaking	HFO	PDB	6*8.7	50	50	0	46	0	46				
87	Bogra (GBB)	Gas	RPP	6*4	20	22	22	22	22	22				
88	Bogra (Energyprima)	Gas	RPP	5*3.3+5*2	20	20	18	17	16	17				
89	Ullapara (Summit)	Gas	SIPP,REB	4*2.90	11	11	11	11	11	11			Synchronized at 33KV	
90	Rajlanka 52 MW	HFO	IPP	6*8.92	52	52	53	52	0	0			Fuel shortage	
	Rajshahi Area Total				***807***	***809***	***484***	***658***	***391***	***604***	***0***	***137***		
91a	Barapukuria ST: Unit-1	Coal	PDB	1*125	125	100	91	94	0	0		6	27/01/2015	Unknown
91b	Barapukuria ST: Unit-2	Coal	PDB	1*125	125	100	0	0	0	0		100	19/12/14	Unknown
92	Rangpur GT	HSD	PDB	1*20	20	20	0	0	0	18				
93	Syedpur GT	HSD	PDB	1*20	20	20	0	18	18	18				
94	Thakurgaon (RZ)	HSD	RPP	0*1.5+21*1	47	40	18	26	0	27				
	Rangpur Area Total				***337***	***280***	***109***	***138***	***18***	***63***	***0***	***106***		
	Total				***10869***	***10274***	***4951***	***6295***	***5039***	***6387***	***898***	***2485***		
	Useable load at Substation end after deducting Auxiliary use & Transmission loss						4547	427	4628	5863				

A.	27-Jan-15 (Yesterday)				Tuesday		
1	Highest Generation :	6295.0	MW at	18:30	hrs	11 Evening Peak Hour	18:30 hrs.
2	Minimum Generation :	3633.0	MW at	4:00	hrs	12 Max. Demand (Generation end) at evening peak hour	6295 MW
3	Day peak Generation :	4951.0	MW at	9:00	hrs	13 Max. Demand (Substation end) at evening peak hour	5800 MW
4	Evening peak Generation :	6295.0	MW at	18:30	hrs	14 Load Shed (Substation end) at evening peak hour	0 MW

5 Total Energy Generation : 113.67 MKWHr
By Gas: 73.24 MKWHr By Oil: 28.34 MKWHr
By Coal: 1.68 MKWHr By Hydro: 1.45 MKWHr

6 Generation Shortfall : For Gas: 898 For Oil: 0 MW
For Water Shortage 0 MW
For Plants S/D or M/C prob: 2485 MW

7 Total Gas Supplied : 736.01 MMCFD

8 Fuel Cost : i) Gas : 59584009 ii) Oil : Taka 384573841
iii) Coal : Taka 6523272 Total Taka 450681123

9 Export Through E-W Interconnectors : i) Energy 7.867 MKWHr.
ii) During Peak Demand : -180 MW at 18:30 hrs
iii) Maximum : -70 MW at 15:00 hrs

10 Maximum Temperature in Dhaka was 27.0° C

15. Area wise Demand (S/S end), Supply (S/S end) & Load Shed (S/S end) at Evening peak hour in MW :

Area	Demand	Supply	Loadshed (Duration)
Dhaka	2088	2088	0
Chittagong	616	616	0
Khulna	675	675	0
Rajshahi	714	714	0
Comilla	506	506	0
Mymensingh	427	427	0
Sylhet	242	242	0
Barisal	138	138	0
Rangpur	394	394	0
Total	5800	5800	0

16 Hourly Load Shed during Evening Peak hours :

Time Hour	Loadshed MW
18:00	0
18:30	0
19:00	0
19:30	0
20:00	0
21:00	0
22:00	0
23:00	0

B.	28-Jan-15 (Today)				Wednesday	Probable max. temperature in Dhaka	27.0° C
	Forecast						
1	Maximum Demand (Generation end)	6350	MW			6 Total Load Shed forecast (Substation end) :	0 MW
2	Maximum Generation (Generation end)	6387	MW			7 Area wise Load Shed forecast (Substation end) :	
3	Shortage (Generation end)	-37	MW				
4	Total Energy Generation	114	MKWHr				
5	Actual Minimum Generation up to 8:00 hrs.	3627	MW at	4:00			

Dhaka	Chittagong	Khulna	Rajshahi	Comilla	Mymensingh	Sylhet	Barisal	Rangpur
MW	MW	MW	MW	MW	MW	MW	MW	MW
0	0	0	0	0	0	0	0	0

* Import Through HVDC C/B Interconnector : i) Energy 8.972364 MKWHr.
ii) During peak Demand : 455 MW at 18:30 hrs
iii) Maximum : 459 MW at 10:00 hrs

Cost for HVDC energy is not usaually included in the total fuel cost.

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division